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(54) **NETWORK SYSTEM AND PACKET
TRANSMISSION CONTROL METHOD IN THE
NETWORK SYSTEM**

and a value of a re-transmission timer are decided.

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(57) Abstract:

PROBLEM TO BE SOLVED: To provide the technology of the network system by which data are communicated at a high efficiency.

SOLUTION: A radio terminal 100 measures received field strength of a radio wave outputted from a base station device 102. The base station device 102 measures the received field strength of a radio wave outputted from the radio terminal 100. Information on the received field strength is collected once by a base station monitor device 104 and then transferred to a gateway server 105. The information is stored in each packet and sent to the radio terminal 100. Similarly, the radio terminal 100 stores the information on the received field strength to be measured in a packet and sends it to the gateway server 105. The radio terminal 100 and the gateway server 105 inform of the information on the received field strength with each other. Then, based on the information on the informed received field strength, an optimum packet length of the packet to be sent next

